

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1-75. (Canceled)

76. (Currently amended) A conditioned medium for deriving and culturing human pluripotent embryonic stem (ES) cell line in a substantially undifferentiated state, said medium prepared by a method including:

obtaining a fibroblast feeder cell layer comprising human [[adult]] fibroblast feeder cells obtained from a differentiated human tissue, which supports the derivation and/or culture of human pluripotent ES cells in a substantially undifferentiated state;

culturing the feeder cell layer in the presence of a medium selected from the group consisting of HES, KO, HES-HS, KO-HS, HFE, HM, HF and HF-HS; and

separating the medium from the cells to obtain the conditioned medium.

77-78. (Canceled)

79. (Previously presented) The conditioned medium according to claim 76 wherein the medium comprises KO-HS.

80. (Currently amended) The conditioned medium of claim 76, wherein the human [[adult]] fibroblast feeder cells are selected from the group consisting of human [[adult]] skin fibroblast cells, human [[adult]] muscle fibroblasts, and a combination thereof.

81. (Canceled)

82. (Currently amended) The conditioned medium of claim 76, wherein the human [[adult]] fibroblast cells are human adult fallopian [[tubal]] tube (HAFT) fibroblast cells.

83. (Currently amended) The conditioned medium of claim 80, wherein the human [[adult]] fibroblast feeder cells are human adult skin fibroblast cells.

84. (Currently amended) The conditioned medium of claim 80, wherein the human [[adult]]-fibroblast feeder cells are human adult muscle fibroblast cells.

85-92. (Canceled)

93. (Previously presented) The conditioned medium of claim 76, wherein said feeder cell layer is first established in a primary culture in the presence of HFE medium.

94. (Previously presented) The conditioned medium of claim 76, wherein the feeder layer is propagated in the presence of a HM medium.

95. (Previously presented) The conditioned medium of claim 76, wherein the feeder layer comprises fibroblast cell line Detroit 551 (ATCC NO CCL-110).

96. (Previously presented) The conditioned medium of claim 76, wherein the feeder layer comprises cell line MRC-5 having accession Number ATCC No. X-55 or ATCC No. CCL-171.

97-100. (Canceled)

101. (New) The conditioned medium of claim 76, wherein said human fibroblast feeder cells are selected from the group consisting of fetal skin fibroblast cells, fetal muscle fibroblasts, adult skin fibroblast cells, adult muscle fibroblast cells, and fallopian tube fibroblast cells.

102. (New) A conditioned medium for deriving and culturing human pluripotent embryonic stem (ES) cell line in a substantially undifferentiated state, said medium prepared by a method including:

culturing a fibroblast feeder cell layer in a medium, wherein the fibroblast feeder layer comprises human fibroblast feeder cells obtained from a human differentiated tissue selected from the group consisting of fetal skin, fetal muscle, adult skin, adult muscle, and

fallopian tube, wherein said fibroblast feeder layer supports the derivation and/or culture of human pluripotent ES cells in a substantially undifferentiated state; and

separating the medium from the cells to obtain the fibroblast feeder layer conditioned medium.